SONY

3-753-021-21(2)

FM Stereo/FM-AM Receiver

Operating Instructions

STR-AV570X
STR-AV270X

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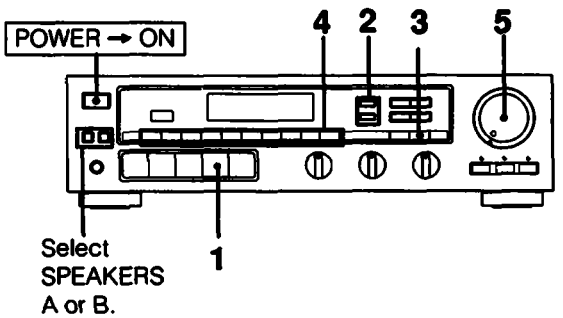
Printed in Malaysia

Receiving FM/AM Broadcasts

How to receive a broadcast

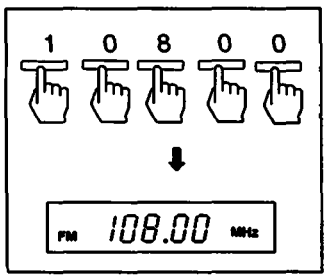
When you know the frequency	See "Direct Access Tuning".
When you do not know the frequency	FM: See "Automatic Tuning". AM: See "Manual Tuning".
Tuning in a preset frequency	See "Preset Tuning".

Direct Access Tuning

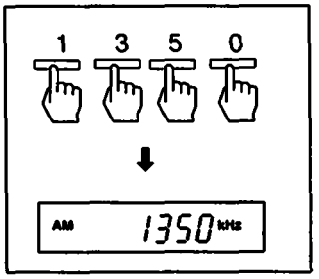


1 **Press TUNER.**
2 **Select FM or AM.**
3 **Press TUNING DIRECT.**
4 **Press the appropriate numeric buttons to enter the frequency.** (See examples below.)
5 **Adjust the volume.**

Example 1: FM 108.00 MHz



Example 2: AM 1350 kHz

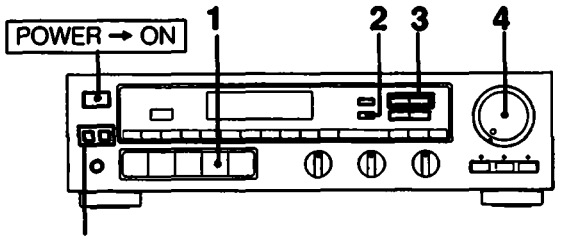


For entering AM frequencies
You do not need to enter the last "0".

Correcting the entered frequency
Repeat the above steps from the beginning.

If the frequency figures flash in the display window
The entered number is outside the receiver's frequency range (FM 87.5 to 108 MHz; AM 530 to 1710 kHz).
Enter the correct frequency.

Automatic Tuning (for FM reception)



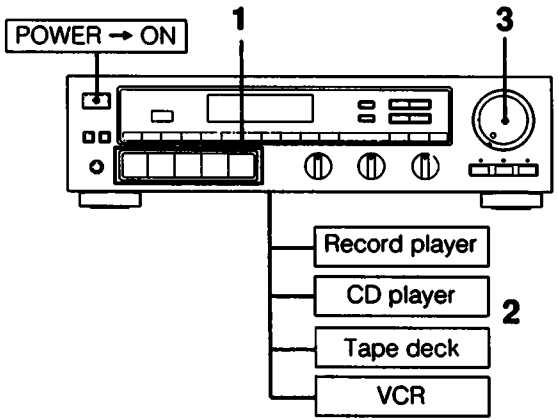
1 **Press TUNER.**
2 **Select FM.**
3 **Press + or – TUNING.**
+ : Starts frequency-ascending sweep

– : Starts frequency-descending sweep

When a station is received, automatic tuning stops automatically. To change the station, press + or - again.
4 **Adjust the volume.**

When sweeping does not stop at the desired station
The signal strength is weak. Tune in the station as described in "Direct Access Tuning".

Listening to Program Sources Other than Broadcast



1 Select the program source.

Program sources	Function
Phono record	PHONO
Compact disc or other program sources	CD
Video programs	VIDEO
Tape programs	TAPE

2 Start the program.

3 Adjust the volume.

Precautions

On safety

- Operate the unit only on 120 V AC, 60 Hz.
- Should any solid object or liquid fall into the unit, unplug it and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.

On installation

- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Good air circulation is essential to prevent internal heat buildup in the unit. Place the unit in a location with adequate air circulation. Do not place the unit on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Do not place anything on top of the cabinet. The top ventilation holes must be unobstructed for the proper operation of the unit and to prolong the life of its components.

On cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

On repacking

Do not throw away the carton and the packing material. It makes an ideal container to transport the unit in.

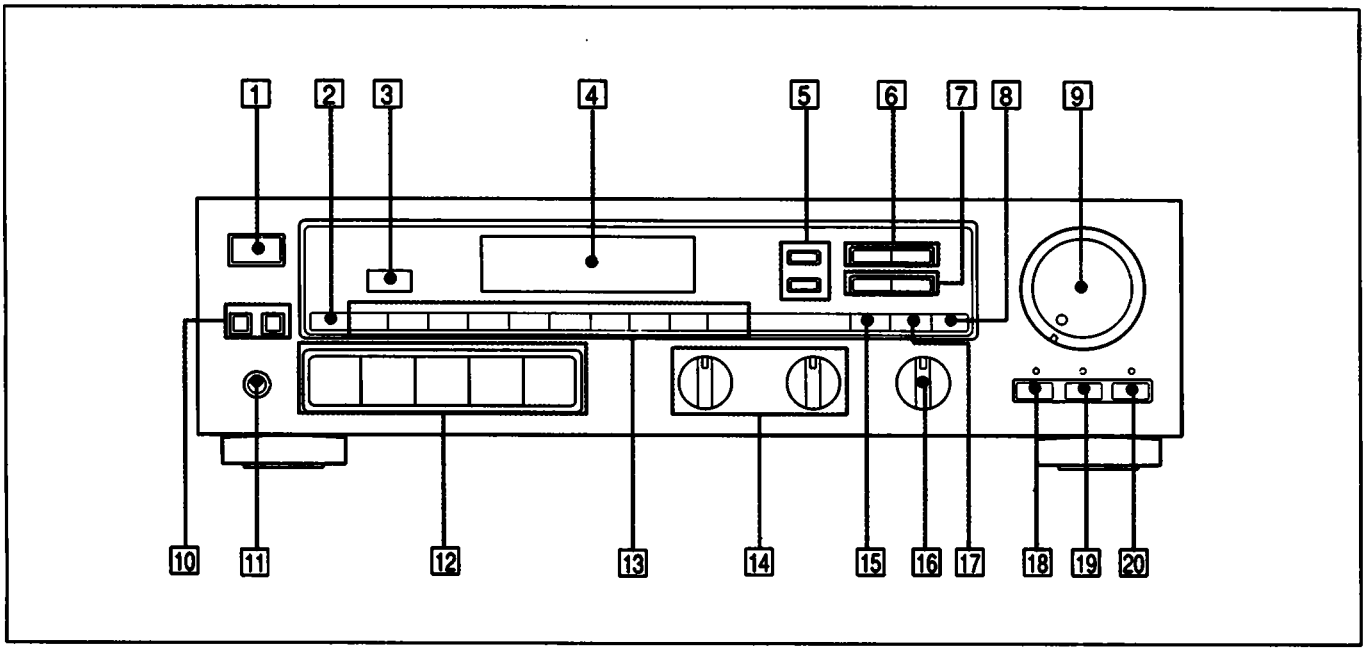
For detailed safety precautions, see the "IMPORTANT SAFEGUARDS" leaflet.

If you have any question or problem concerning your unit, please consult your nearest Sony dealer.

Features

The STR-AV570X and the STR-AV270X are the combined receivers and audio/ video control centers.
You can listen to various audio/video program sources through the amplifier of the receiver and the speakers connected to it. Newly designed DBFB (Dynamic Bass Feed Back) circuitry ensures natural sound quality even at a low volume level.
Built-in matrix surround decodes ambient information in stereo sources, providing a surround sound effect.
In the tuner section, a quartz locked digital synthesizer system allows precise tuning. A total of 30 FM/AM stations can be preset in 3 memory pages (A, B and C).

Location and Function of Controls



1 **POWER switch**

2 **SHIFT button**

3 **Remote sensor** (STR-AV570X only)

4 **Display window**

5 **BAND selectors**

6 **TUNING +/– buttons**

7 **PRESET +/– buttons**

8 **FM MODE button**
When an FM stereo program is noisy or hard to receive, press this button. The STEREO indicator goes out (the sound is heard in monaural, but the reception will be improved). To return to the stereo mode, press again or change the frequency.

9 **VOLUME control and indicator**
(VOLUME indicator: STR-AV570X only)

10 **SPEAKERS selectors**
Depress to select which speaker system to drive. For both speaker systems, depress A and B.

11 **HEADPHONES jack (stereo phone jack)**
Connect the headphones to this jack for private listening.

12 **Function selectors**

13 **Numeric buttons**

14 **TONE controls**
Turn the TREBLE control to adjust the high frequency sound. Turn BASS control to adjust the low frequency sound.

15 **MEMORY button**

16 **BALANCE control**
Adjust to correct stereo imaging, when the speaker position is not symmetrical.

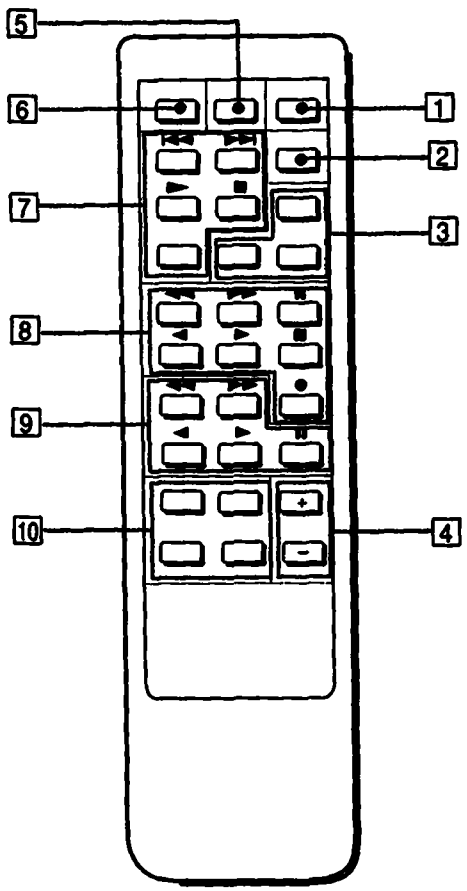
17 **DIRECT TUNING button**

18 **DBFB (Dynamic Bass Feed Back) button and indicator**
To reinforce the bass frequency sound, press this button.

19 **MUTING button and indicator** (STR-AV570X only)
Press to attenuate the sound level immediately (–20 dB attenuation). Pressing this button makes the indicator be lighted. To restore the sound level, press again.

20 **SURROUND button and indicator**
To obtain the surround effect, press this button.

emote Commander RM-S103 (STR-AV570X only)



1 POWER button

2 DBFB button

3 TUNER PRESET +/– and SHIFT buttons

4 VOLUME +/– buttons

5 SURROUND button

6 MUTING button

7 CD player operation buttons
D. (disc) SKIP: When your CD player is equipped with a multi-disc changer, use this button to select loaded disc.
CD ►: Selects the CD function and starts CD playback.

8 DECK B operation buttons (also for single tape deck)
DECK B ◄/►: Select tape function and start tape playback on deck B.

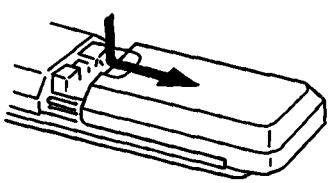
9 DECK A operation buttons
DECK A ◄/►: Select tape function and start tape playback on deck A.

10 Function select buttons

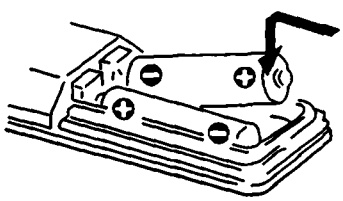
Notes on the remote commander
For the functions other than the receiver's own ones, the remote commander is effective only with Sony components having a remote sensor with a ■ mark.

oading the Remote Commander with Batteries

1



2 Two size "AA" (R6) batteries



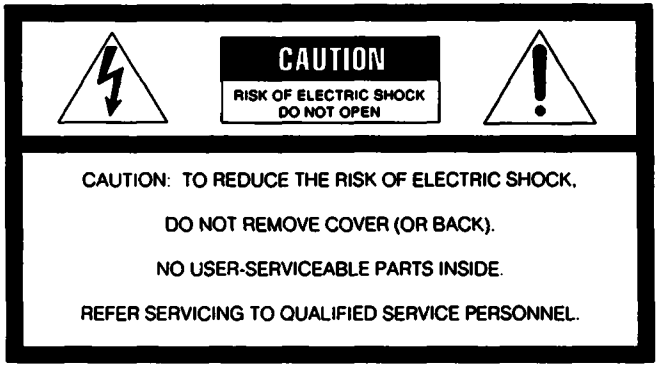
Battery life
About half a year of normal operation can be expected when using the Sony SUM-3 (NS) batteries.

Caution
When the commander is not to be used for a long period of time, remove the batteries to avoid damage caused by battery leakage and corrosion.

Warning

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol in intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note to CATV system installer
This reminder is provided to call the CATV system installer's attention to Article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Owner's Record
The model number is located on the rear exterior and serial number is on the rear. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No._____ Serial No._____

Specifications

Audio Power Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 8-ohm load, both channels driven, from 40 - 20 kHz, rated 60 watts (STR-AV570X) or 40 watts (STR-AV270X) per channel minimum RMS power, with less than 0.8% total harmonic distortion from 250 milliwatts to rated output.

Other Specifications

Amplifier section

Continuous RMS power output (8 ohms, at 1 kHz less than 0.8% total harmonic distortion)
- STR-AV570X: 70 W + 70 W
- STR-AV270X: 50 W + 50 W

Dynamic power (at 1 kHz IHF)
- STR-AV570X: 75 W + 75 W (8 ohms)
  80 W + 80 W(4 ohms)
- STR-AV270X: 55 W + 55 W (8 ohms)
  60 W + 60 W(4 ohms)

Harmonic distortion
- Less than 0.8% at rated output

Frequency response
- PHONO: RIAA equalization curve ±0.5 dB
- CD, VIDEO, TAPE: 10 Hz - 50 kHz $^{+0}_{-5}$ dB

Inputs

	Sensitivity	Impedance	S/N (weighting network, input level)
PHONO	2.5 mV	50 kilohms	74 dB 72 dB* (A, 2.5 mV)
CD VIDEO TAPE	150 mV	50 kilohms	95 dB 80 dB* (A, 150 mV)

* '78 IHF

Outputs

REC OUT, VIDEO (AUDIO) OUT	Voltage 150 mV Impedance 10 kilohms
SPEAKER A, B	Accepts speakers of 8-16 ohms
HEADPHONES	Accepts low and high impedance headphones

Tone controls
- BASS: ±10 dB at 100 Hz
- TREBLE: ±10 dB at 10 kHz

Muting
- -20 dB

DBFB
- +12 dB at 70 Hz

Tuner section

	FM tuner section	AM tuner section
Tuning range	87.5 — 108 MHz	530 — 1710 kHz
Antenna terminals	300 ohms,balanced 75 ohms, unbalanced	External antenna terminal
Sensitivity at 50 dB quieting	18.3 dBf, 4.5 µV (mono) 38.3 dBf, 45 µV (stereo)	—
Usable sensitivity	11.2 dBf, 2 µV (IHF)	Loop antenna: 500 µV (at 1,000 kHz)
Signal-to-noise ratio	76 dB (mono) 70 dB (stereo)	54 dB (at 50 mV/m)
Harmonic distortion	0.3% (mono), 0.5% (stereo) at 1 kHz	0.5% (at 50 mV/m, 400 Hz)
Selectivity	60 dB at 400 kHz	40 dB at 10 kHz
Separation	45 dB at 1 kHz	—
Frequency response	30 Hz — 15 kHz $^{+0.5}_{-2}$ dB	—

General

System
- Tuner section: PLL quartz-locked digital synthesizer system
- Preamplifier section: low-noise NF type equalizer amp
- Power amplifier section: quasi-complementary SEPP

Power requirements
- 120 V AC, 60 Hz

Power consumption
- STR-AV570X (USA model): 105 W
- In standby condition: 5 watts
- STR-AV270X (USA model): 90 W

AC outlets
- One switched (120 W/1A Max.)

Dimensions
- Approx. 430 x 122.5 x 300 mm (w/h/d)
  (17 x 4 $^{7}/_{8}$ x 11 $^{7}/_{8}$ inches)
- including projecting parts and controls

Weight
- STR-AV570X: Approx. 6.5 kg (14 lb 5 oz)
- STR-AV270X: Approx. 6 kg (13 lb 4 oz)

Accessories supplied
- FM wire antenna (1)
- AM loop antenna (1)
- Remote Commander RM-S103 (1) (STR-AV 570X only)
- Sony batteries SUM 3(NS) (2) (STR-AV 570X only)

Design and specifications subject to change without notice.